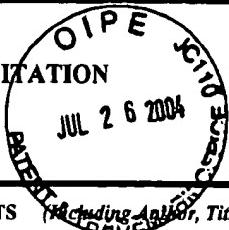


<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>			Docket Number (Optional) <b>05516/056002</b>	Application Number <b>09/635,116</b>			
			Applicant(s) <b>Sujian HUANG et al</b>				
			Filing Date <b>08/09/2000</b>	Group Art Unit <b>2128</b>			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
A1	SU 1691497 A1	11/15/1991	SOVIET UNION	E21B	10/16	✓	
A2	SU 1654515 A1	07/06/1991	SOVIET UNION	E21B	10/16	✓	
A3	SU 1461855 A1	02/28/1989	SOVIET UNION	E21B	10/16	✓	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
A4	Certification and Notarization dated 11/12/2003 from Universe Technical Translation						
A5	Translation of Description of Invention No. 933932 dated 06/07/1982 (2 pages)						
EXAMINER	<i>RJL</i>		DATE CONSIDERED		<i>7/1/04</i>		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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		Applicant(s) <b>Sujian HUANG et al.</b>	
		Filing Date <b>08/09/2000</b>	Group Art Unit <b>2128</b>
*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>JW</i>	A6	Translation of Description of Invention No. 295857 dated 02/12/1971 (2 pages)	
<i>JW</i>	A7	Translation of Description of Invention No. 398733 dated 09/27/1973 (2 pages)	
<i>JW</i>	A8	Translation of Description of Invention No. 420749 dated 03/25/1974 (2 pages)	
<i>JW</i>	A9	Translation of Description of Invention No. 229371 dated 10/23/1968 (1 page)	
<i>JW</i>	A10	Translation of Description of Invention No. 436147 dated 07/15/1974 (2 pages)	
<i>JW</i>	A11	Translation of Description of Invention No. 469801 dated 05/05/1975 (2 pages)	
<i>M</i>	A12	Translation of Description of Invention No. 515867 dated 05/30/1976 (2 pages)	
<i>JW</i>	A13	Palashchenko et al.; "Study of Roller Cone Bits With Disk Ring Inserts"; Neftyanoye Khozyaystvo (Oil Industry), Issue 11, 1987 (4 pages)	
EXAMINER <i>MJZ</i>	DATE CONSIDERED <i>7/1/04</i>		

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**INFORMATION DISCLOSURE CITATION**  
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**05516/056002**

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Applicant(s)  
**Sujian HUANG et al.**

Filing Date  
**08/09/2000**

Group Art Unit  
**2128**

*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
<i>JL</i>	A1	Boris L. STEKLIANOV, "Increasing the Efficiency of Rock-Cutting Tools on the Basis of Comparative Analysis of the Kinetic Characteristics of Their Cutting Structure"; NDERI, 1990 (24 pages)
<i>JL</i>	A2	Robert L. McINTYRE, "Surface Mine Rotary Drilling", Smith-Gruner (3 pages)
<i>JL</i>	A3	RockBit International, "System Designed to Speed Continuous Coring Operation", (4 pages)
<i>JL</i>	A4	RockBit International, "If You've Ever Doubted RBI's Ability to Drill at a Lower Cost Per Foot...Ask the Folks Drilling This Well", (4 pages)
<i>JL</i>	A5	RockBit International, "The Leader in High-Speed Drill Bit Technology" (24 pages)
<i>JL</i>	A6	Sandvik Rock Bits, "Sandvik in the World of Oil and Gas" (8 pages)

EXAMINER

DATE CONSIDERED

*11/4/04*

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**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Docket Number (Optional) <b>05516/056002</b>	Application Number <b>09/635,116</b>
Applicant(s) <b>Sujian HUANG et al.</b>	
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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JG</i>	A1	D. Ma, et al. "Dynamics of Roller Cone Bits", Journal of Energy Resources Technology, December 1985, Vol. 107 (pp. 543-548)
<i>JG</i>	A2	D. Ma, et al. "A New Way to Characterize the Gouging-Scraping Action of Roller Cone Bits", Society of Petroleum Engineers, 1989 (24 pgs.)

EXAMINER

DATE CONSIDERED

*10/4/04*

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		Applicant(s) Sujian HUANG et al.	
		Filing Date 08/09/2000	Group Art Unit 2128
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
<i>IPR</i> JL 23 2004 C	A3	Rudolf C.O. PESSIER, et al. "Rolling Cone Bits With Novel Gauge Cutting Structure" Drill Faster, More Efficiently, SPE 30473; 1995 (pp. 241-250)	
SEARCHED TRADEMARK OFFICE	A4	M. C. SHEPPARD, et al. 'The Forces at the Teeth of a Drilling Rollercone bit: Theory and Experiment', SPE 18042; 1988 (pp. 253-260)	
<i>JY</i>	A5	"Longer Useful Lives for Roller Bits Cuts Sharply Into Drilling Costs" S.A. Mining & Engineering Journal, March 1979, (pp. 39-43)	
<i>JY</i>	A6	Johannes D. BRAKEL, "Prediction of Wellbore Trajectory Considering Bottom Hole Assembly and Drill Bit Dynamics", The University of Tulsa, (66 pages)	
<i>JY</i>	A7	R. K. DROPEK, et al. "A Study to Determine Roller Cone Cutter Offset Effects at Various Drilling Depths", ASME Vol. 78-Pet-23, (10 pages)	
<i>JY</i>	A8	Doodnath RAMSUNDER "Bit Deviation Forces Due to Rock-Bit Interaction" University of Tulsa, (66 pages)	
<i>JY</i>	A9	E. I. UMEZ-ERONINI, "Rotary Drill Bit/Rock Model With Cutter Offset" Journal of Energy Resources Technology, Vol. 105, September 1983 (3 pages)	
<i>JY</i>	A10	D. MA, et al. "Kinematics of the Cone Bit" SPE 10563; June 1985 (30 pages)	
EXAMINER <i>JY</i>	DATE CONSIDERED 11/14/04		

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